

E. Lazar Wesley

#5

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/414,643

DATE: 02/15/2001
 TIME: 11:57:49

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7 <110> APPLICANT: PILETZ, John E.
 8 IVANOV, Tina R.
 10 <120> TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
 11 AND POLYPEPTIDES ENCODED THEREBY
 14 <130> FILE REFERENCE: Corrected Sequence Listing
 17 <140> CURRENT APPLICATION NUMBER: 09/414,643
 18 <141> CURRENT FILING DATE: 1999-10-08
 21 <150> PRIOR APPLICATION NUMBER: 08/922,635
 22 <151> PRIOR FILING DATE: 1997-09-03
 25 <150> PRIOR APPLICATION NUMBER: 60/012,600
 26 <151> PRIOR FILING DATE: 1996-03-01
 29 <160> NUMBER OF SEQ ID NOS: 22
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 40 <222> LOCATION: (1398)..(3383)
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100 agt gtg cac ctg ctt gat atg tcc gtt caa gtg atc agg cct gga gaa 1526
101 Ser Val His Leu Leu Asp Met Ser Val Gln Val Ile Arg Pro Gly Glu
102      30      35      40
104 gcc ttt ccc aca gct ctg gca gat gta agg cgg aat tcc cca gag aag 1574
105 Ala Phe Pro Thr Ala Leu Ala Asp Val Arg Arg Asn Ser Pro Glu Lys
106      45      50      55
108 aag ggt ggt gaa gac tcc cgg ctc tca gct gcc ccc tgc atc aga ccc 1622
109 Lys Gly Gly Glu Asp Ser Arg Leu Ser Ala Ala Pro Cys Ile Arg Pro
110      60      65      70      75
112 agc agc tcc cct ccc act gtg gct ccc gca tct gcc tcc ctg ccc cag 1670
113 Ser Ser Ser Pro Pro Thr Val Ala Pro Ala Ser Ala Ser Leu Pro Gln
114      80      85      90
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117 Pro Ile Leu Ser Asn Gln Gly Ile Met Phe Val Gln Glu Glu Ala Leu
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120 gcc agc agc ctc tgc tcc act gac agt ctg act ccc gag cac cag ccc 1766
121 Ala Ser Ser Leu Ser Ser Thr Asp Ser Leu Thr Pro Glu His Gln Pro
122      110      115      120
124 att gcc cag gga tgt tct gat tcc ttg gag tcc atc cct gcg gga cag 1814
125 Ile Ala Gln Gly Cys Ser Asp Ser Leu Glu Ser Ile Pro Ala Gly Gln
126      125      130      135
128 gca gct tcc gat gat tta agg gac gtg cca gga gct gtt ggt ggt gca 1862
129 Ala Ala Ser Asp Asp Leu Arg Asp Val Pro Gly Ala Val Gly Gly Ala
130      140      145      150      155
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133 Ser Pro Glu His Ala Glu Pro Glu Val Gln Val Val Pro Gly Ser Gly
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138      175      180      185
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141 Gln Asp Phe Ile Gln Arg Leu Ser Thr Leu Ile Arg Gln Ala Ile Glu
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144 cgg cag ctg cct gcc tgg atc gag gct gcc aac cag cgg gag gag ggc 2054
145 Arg Gln Leu Pro Ala Trp Ile Glu Ala Ala Asn Gln Arg Glu Glu Gly
146      205      210      215
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150      220      225      230      235
152 gac gtg gct gag aac cgc tac ttt gaa atg ggg ccc cca gac gtg gag 2150
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165 Ala Asp Glu Asp Phe Leu Leu Glu His Ile Arg Ile Leu Lys Val Leu
166          285          290          295
168 tgg tgc ttc ctg atc cat gtg cag ggc agt atc cgc cag ttc gcc gcc   2342
169 Trp Cys Phe Leu Ile His Val Gln Gly Ser Ile Arg Gln Phe Ala Ala
170 300          305          310          315
172 tgc ctt gtg ctc acc gac ttc ggc atc gca gtc ttc gag atc ccg cac   2390
173 Cys Leu Val Leu Thr Asp Phe Gly Ile Ala Val Phe Glu Ile Pro His
174          320          325          330
176 cag gag tct cgg ggc agc agc cag cac atc ctc tcc tcc ctg cgc ttt   2438
177 Gln Glu Ser Arg Gly Ser Ser Gln His Ile Leu Ser Ser Leu Arg Phe
178          335          340          345
182 gtc ttt tgc ttc ccg cat ggc gac ctc acc gag ttt ggc ttc ctc atg   2486
183 Val Phe Cys Phe Pro His Gly Asp Leu Thr Glu Phe Gly Phe Leu Met
184          350          355          360
186 ccg gag ctg tgt ctg gtg ctc aag gta cgg cac agt gag aac acg ctc   2534
187 Pro Glu Leu Cys Leu Val Leu Lys Val Arg His Ser Glu Asn Thr Leu
188          365          370          375
190 ttc att atc tcg gac gcc gcc aac ctg cac gag ttc cac gcg gac ctg   2582
191 Phe Ile Ile Ser Asp Ala Ala Asn Leu His Glu Phe His Ala Asp Leu
192 380          385          390          395
194 cgc tca tgc ttt gca ccc cag cac atg gcc atg ctg tgt agc ccc atc   2630
195 Arg Ser Cys Phe Ala Pro Gln His Met Ala Met Leu Cys Ser Pro Ile
196          400          405          410
198 ctc tac ggc agc cac acc agc ctg cag gag ttc ctg cgc cag ctg ctc   2678
199 Leu Tyr Gly Ser His Thr Ser Leu Gln Glu Phe Leu Arg Gln Leu Leu
200          415          420          425
202 acc ttc tac aag gtg gct ggc ggc tgc cag gag cgc agc cag gcc tgc   2726
203 Thr Phe Tyr Lys Val Ala Gly Gly Cys Gln Glu Arg Ser Gln Gly Cys
204          430          435          440
206 ttc ccc gtc tac ctg gtc tac agt gac aag cgc atg gtg cag acg gcc   2774
207 Phe Pro Val Tyr Leu Val Tyr Ser Asp Lys Arg Met Val Gln Thr Ala
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212 460          465          470          475
214 tca gcc gtg cgg cgc tcc tgc tgc gcg ccc tct gag gcc gtc aag tcc   2870
215 Ser Ala Val Arg Arg Ser Cys Cys Ala Pro Ser Glu Ala Val Lys Ser
216          480          485          490
218 gcc gcc atc ccc tac tgg ctg ttg ctc acg ccc cag cac ctc aac gtc   2918
219 Ala Ala Ile Pro Tyr Trp Leu Leu Leu Thr Pro Gln His Leu Asn Val
220          495          500          505
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223 Ile Lys Ala Asp Phe Asn Pro Met Pro Asn Arg Gly Thr His Asn Cys
224          510          515          520
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232 540      545      550      555
234 gat ggc cac gtg cta gag ctg ctc gtg ggg tac cgc ttt gtc act gcc 3110
235 Asp Gly His Val Leu Glu Leu Leu Val Gly Tyr Arg Phe Val Thr Ala
236      560      565      570
238 atc ttc gtg ctg ccc cac gag aag ttc cac ttc ctg cgc gtc tac aac 3158
239 Ile Phe Val Leu Pro His Glu Lys Phe His Phe Leu Arg Val Tyr Asn
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244 cag ctg cgg gcc tcg ctg cag gac ctg aag act gtg gtc atc gcc aag 3206
245 Gln Leu Arg Ala Ser Leu Gln Asp Leu Lys Thr Val Val Ile Ala Lys
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250      605      610      615
252 cct gcc gag cgc agg gcc agc aat gac cag cgt ccc cag gag gtc cca 3302
253 Pro Ala Glu Arg Arg Ala Ser Asn Asp Gln Arg Pro Gln Glu Val Pro
254 620      625      630      635
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